IN THE CLAIMS

Please cancel claims 1-2 and 6-7 without prejudice or disclaimer, and amend claims 3-5, 8-11 and 14 as follows:

1-2. (Cancelled)

3. (Currently Amended) [[The]] A method of ~~claim 1~~ manufacturing an active matrix substrate, wherein

a laser beam is repeatedly exposed to a semiconductor film formed on a dielectric substrate of an active matrix substrate to produce a polycrystallized semiconductor film, comprising:

intensity modulating said laser beam;

directing and shaping said laser beam to be periodic in at least one direction; and

moving randomly the intensity distribution of the laser beam on said semiconductor film in the periodic direction of said intensity modulation,

wherein a coordinate y on said semiconductor film in the periodic direction of said intensity modulation at the point where the laser beam intensity becomes a maximum at the time of said laser beam exposure, ~~may be~~ is given by

$y = na + r$

where a designates a periodicity of intensity modulation of said laser beam, n designates an integer, r designates a non-negative value smaller than a and which is determined for each exposure, and

in which the difference between the maximum and minimum values of said r is a half or more of periodicity.

4. (Currently Amended) [[The]] A method of ~~claim 1~~ manufacturing an active matrix substrate, wherein

a laser beam is repeatedly exposed to a semiconductor film formed on a dielectric substrate of an active matrix substrate to produce a polycrystallized semiconductor film, ~~further~~ comprising:

intensity modulating said laser beam;

directing and shaping said laser beam to be periodic in at least one direction;

moving randomly the intensity distribution of the laser beam on said semiconductor film in the periodic direction of said intensity modulation;

melting, by the exposure of said laser beam, an area smaller than a crystal grain on the crystallized semiconductor film obtained by exposure of said laser beam on said semiconductor film to divide said semiconductor film; and

promoting crystallization around the cores of plural crystal grains thus divided to reconstruct a single crystal grain.

5. (Currently Amended) [[The]] A method of ~~claim 4~~ manufacturing an active matrix substrate, wherein

a laser beam is repeatedly exposed to a semiconductor film formed on a dielectric substrate of an active matrix substrate to produce a polycrystallized semiconductor film, ~~further~~ comprising:

intensity modulating said laser beam;

directing and shaping said laser beam to be periodic in at least one direction;

moving randomly the intensity distribution of the laser beam on said semiconductor film in the periodic direction of said intensity modulation; and

forming, in [[a]] the periodic direction of the intensity modulation of said laser beam, [[a]] the polycrystalline semiconductor film having a grain size approximately equivalent to a periodicity of said intensity modulation ~~periodic direction~~.

6-7. (Cancelled)

8. (Currently Amended) [[The]] A method for manufacturing an active matrix substrate including process steps of exposing a laser beam a plurality of times to a semiconductor film formed on a dielectric substrate of the active matrix substrate to crystallize said semiconductor film ~~of claim 6~~, ~~further~~ comprising:

providing a long axis and a short axis of exposure shape on said semiconductor film to said laser beam and providing a rectangular form laser beam having a periodic intensity modulation in said long axis direction;

moving said laser beam in relation to said dielectric substrate in said short axis direction of said laser beam to said semiconductor film for exposing said semiconductor film a plurality of times to crystallize said semiconductor film;

moving randomly the intensity modulation of said laser beam on the semiconductor film formed on said dielectric substrate from one laser beam exposure position to another laser beam exposure position in said long axis direction; and

using a phase shift mask having a periodicity of the periodicity of said intensity modulation times an integer more than two to maintain a constant distance between said semiconductor film and said phase shift mask to provide periodic intensity modulation of said laser beam.

9. (Currently Amended) [[The]] A method for manufacturing an active matrix substrate including process steps of exposing a laser beam a plurality of times to a semiconductor film formed on a dielectric substrate of the active matrix substrate to crystallize said semiconductor film ~~of claim 6~~, comprising:

providing a long axis and a short axis of exposure shape on said semiconductor film to said laser beam and providing a rectangular form laser beam having a periodic intensity modulation in said long axis direction;

moving said laser beam in relation to said dielectric substrate in said short axis direction of said laser beam to said semiconductor film for exposing said semiconductor film a plurality of times to crystallize said semiconductor film; and

moving randomly the intensity modulation of said laser beam on the semiconductor film formed on said dielectric substrate from one laser beam exposure position to another laser beam exposure position in said long axis direction, in which

coordinate y on said semiconductor film in the periodic direction of said intensity modulation at the point where the laser beam intensity becomes maximum at the time of said laser beam exposure, ~~may be~~ is given by

$y = na + r$

where a designates a periodicity of intensity modulation of said laser beam, n to an integer, r to a non-negative value smaller than a and determined for each exposure, and

in which the difference between the maximum and minimum values of said r is a half or more of periodicity.

10. (Currently Amended) [[The]] A method for manufacturing an active matrix substrate including process steps of exposing a laser beam a plurality of times to a

semiconductor film formed on a dielectric substrate of the active matrix substrate to crystallize said semiconductor film ~~of claim 6~~, ~~further~~ comprising:

providing a long axis and a short axis of exposure shape on said semiconductor film to said laser beam and providing a rectangular form laser beam having a periodic intensity modulation in said long axis direction;

moving said laser beam in relation to said dielectric substrate in said short axis direction of said laser beam to said semiconductor film for exposing said semiconductor film a plurality of times to crystallize said semiconductor film;

moving randomly the intensity modulation of said laser beam on the semiconductor film formed on said dielectric substrate from one laser beam exposure position to another laser beam exposure position in said long axis direction;

melting, by the exposure of said laser beam, an area smaller than a crystal grain on the crystallized semiconductor film obtained by exposure of said laser beam on said semiconductor film to divide said semiconductor film; and

promoting crystallization around the cores of plural crystal grains thus divided to reconstruct a single crystal grain.

11. (Currently Amended) [[The]] A method for manufacturing an active matrix substrate including process steps of exposing a laser beam a plurality of times to a semiconductor film formed on a dielectric substrate of the active matrix substrate to crystallize said semiconductor film ~~of claim 10~~, ~~further~~ comprising:

providing a long axis and a short axis of exposure shape on said semiconductor film to said laser beam and providing a rectangular form laser beam having a periodic intensity modulation in said long axis direction;

moving said laser beam in relation to said dielectric substrate in said short axis direction of said laser beam to said semiconductor film for exposing said semiconductor film a plurality of times to crystallize said semiconductor film;

moving randomly the intensity modulation of said laser beam on the semiconductor film formed on said dielectric substrate from one laser beam exposure position to another laser beam exposure position in said long axis direction; and

forming, in [[a]] the periodic direction of the intensity modulation of said laser beam, [[a]] the polycrystalline semiconductor film having a grain size approximately equivalent to a periodicity of said intensity modulation ~~periodic direction~~.

12. (Original) A method of manufacturing an active matrix substrate, by exposing a semiconductor film formed on a dielectric substrate of an active matrix substrate with a laser beam a plurality of times to crystallize the semiconductor film, comprising :

exposing said semiconductor film to a pulsed laser beam having intensity modulated at first periodicity, and

exposing said semiconductor film to a second modulated pulsed laser beam having a periodicity smaller than said first periodicity.

13. (Original) The method of claim 12, further comprising :

exposing, to said semiconductor film exposed with pulsed laser beam having intensity modulated at a first periodicity, a pulsed laser beam having a second periodicity of more than one fifth and less than a half of the modulation period of said first modulated pulsed laser beam in the direction perpendicular to said first periodicity.

14. (Currently Amended) [[The]] A method of an active matrix substrate, by exposing a semiconductor film formed on a dielectric substrate of an active matrix substrate with a laser beam a plurality of times to crystallize said semiconductor film, compromising:

providing a long axis and short axis of exposure shape on said semiconductor film to said laser beam and providing a rectangular form having a periodic intensity modulation in said long axis direction;

moving said laser beam in relation to said dielectric substrate in said short axis direction of said rectangular laser beam to said semiconductor film for exposing said semiconductor film a plurality of times to crystallize said semiconductor film;

wherein exposure occurs by:

exposing said semiconductor film exposed with first modulated pulsed laser beam having intensity modulated at a first periodicity in the short axis direction of said rectangular shape,

and exposing a second pulsed laser beam having a second periodicity of more than one fifth and less than a half of the modulation period of said first modulated pulsed laser beam in the direction perpendicular to said first periodicity; and

moving randomly on said semiconductor film the intensity modulation of said laser beam having said second periodicity in said long axis direction from one pulse laser beam exposure position to another exposure position.

15-20. (Cancelled)

21. (Original) A method of manufacturing an active matrix substrate, comprising:

exposing a laser beam repeatedly to a semiconductor film formed on a dielectric substrate of an active matrix substrate to produce a polycrystallized semiconductor film, wherein the exposing comprises:

intensity modulating an intensity distribution of said laser beam;

directing and shaping said laser beam to be periodic in shape along a long axis direction; and

moving randomly said intensity distribution of the laser beam on said semiconductor film in said long axis direction within a range as said semiconductor film is moved at a constant speed along a short axis direction perpendicular to said long axis;

melting, by said exposing of said laser beam, an area smaller than a crystal grain on the crystallized semiconductor film obtained by exposure of said laser beam on said semiconductor film to divide said semiconductor film; and

promoting crystallization around cores of plural crystal grains thus divided to reconstruct a single larger crystal grain.

22. (Original) The method of claim 21 further comprising:

dividing the semiconductor film into at least a top area and a bottom area along said long axis;

exposing said laser beam first to said top area, starting at a random top starting point along said long axis and finishing at random top finishing point along said long axis as said semiconductor film is moved along said short axis at said constant speed;

moving said semiconductor film diagonally and backwards along said short axis with no laser exposure to a random bottom starting point along said long axis and;

exposing said laser beam to said bottom area starting at said random bottom

starting point along said long axis and finishing at a random top finishing point along said long axis as said semiconductor film is moved along said short axis at said constant speed; and

thereby exposing said top area and said bottom area in multiple passes of said laser beam along said short axis.